

RAIN MASTER EAGLE™ PLUS



ET, Weather-Based Control, just got SMARTER. The Irritrol line of Rain Master central control products got stronger with the introduction of the NEW Eagle *Plus*. The NEW Eagle *Plus* retains all the unique features and benefits of the standard Eagle™ controller, including *iCentral*™ internet control programming capabilities and *ZipET*™. It's comprehensive list of new Pluses provides even greater functionality to equip the user with the tools necessary to maximize irrigation efficiency and water savings. It has been designed to utilize one of the fastest micro processors available in order to enhance "real time" irrigation control.

KEY FEATURES & BENEFITS

MORE CONNECTIVITY

Wireless cellular communications. Faster "real time" internet access to *iCentral*.
Expanded text message Smart Alerts™

MORE CONFIGURATIONS

Up to 48 stations conventional configuration and 200 stations in 2-Wire configuration. Up to 16 programs (8 for conventional and 16 for 2-Wire)

ENHANCED USER INTERFACE

Intuitive operation with multi-line LCD backlit display and simple multi-function input knob. Plus more diagnostic tools.

HISTORICAL DATA RETENTION

Previous 14 days of ET values, last 25 executed program cycles and 220 Smart Alerts and alarms.

RAIN MASTER® EAGLE™ PLUS FEATURES

- Available stations: 8, 16, 24, 32, 40, 48 conventional & 200 with 2-wire module
- 8 programs with conventional and 16 program with 2-wire
- 8 start times for both conventional and 2-wire programs
- NVM (Non Volatile Memory) – No batteries required
- ET-based scheduling with various options
- Flow sensing
- Cycle & Soak
- Odd/Even day watering
- Tipping Bucket or rain sensor input
- Lightning/surge protection is standard
- No central software required.
- 5-year limited warranty

OPTIONS

- Can be upgraded to *iCentral*™ with GSM communications modem
- Stainless steel enclosures and pedestals
- Support two flow sensors and one rain sensor
- Permanent mount receiver (ProMax)

RAIN MASTER *iCENTRAL* WITH EAGLE PLUS™ FEATURES

- Multi-level Auto Scheduler options maximizes water savings
- ET calculations based upon Irrigation Association accepted standards.
- ET scheduling utilizes industry accepted water budget methodology.
- 24/7 365 days ET synchronization with *ZipET*™
- Secured wireless two-way communication
- Flow reports, daily ET information, built-in performance tools.
- Smart Alerts™ Provide
 - Automated system alerts via email or cell phone messaging
 - Automatic or manual rain shut off alerts
 - Automatic field wire fault protection and detection alerts.

RAIN MASTER TWICE™ 2-WIRE

Unlike other 2-wire systems, the Rain Master TWICE protocol provides a 2-way communication link between the controller, decoders and valves.

2-WIRE INTERFACE MODULE

- Provides 200 station two-wire capability for the Rain Master Eagle Plus or Eagle-i *Plus*
- Intelligent "Plug-n-Play" Modular design

DECODERS

- Part Numbers:
 - TW-D-1: For single valve control
 - TW-D-2: For dual valve control
 - TW-D-4: For quad valve control
- Easy-to-read LED status indication for every command
- LED also displays valve activation and diagnostic reporting
- Troubleshooting capabilities:
 - LED decoder "active" indication
 - LED valve power "on" indication
 - Two-way communication verification
- Each decoder has unique address (programmable at the interface module)
- Decoders will automatically shut off if communication is lost
- A short automatically shuts down any valve
- Valves can be operated up to 100' radius of the decoder

SPECIFICATIONS

- Operational Temp: -20 to 60 C
- Electrical connection requirements: Water tight connectors (WP-Dielectric Gel)



Eagle Plus in a Rain master security enclosure (SPED)

RAIN MASTER® – *iCENTRAL*™

The patented Rain Master *iCentral* is the first, most comprehensive and affordable web based water management system. It allows wireless central control for one or more Rain Master Eagle-i *Plus* Series irrigation “field” controllers. The *iCentral* website utilizes reliable 2-way wireless communication from the internet to interface with each field controller and provides alert notifications for a variety of system conditions. An entire irrigation system, no matter how large, can be managed through the *iCentral* web services.

RAIN MASTER – *iCENTRAL*



ANNUAL WATER SAVINGS



Depicted annual water savings only. Individual site water savings may vary depending on programming and operational characteristics, as well as site conditions.

RAIN MASTER – *iCENTRAL* FEATURES

- Automatic Schedule generator (ASG) determines the optimal irrigation schedule based on seasonality and site parameters: irrigation efficiency, soil texture, plant type, slope, precipitation, etc.
- Intelli-Sync™ Intelligent synchronization monitors changes made at the *iCentral* website or in the field and allows the operator to accept or reject the entry
- ZipET™ (a Irritrol exclusive) automatically sends weather information every 24-hours to each controller based on the entry of the local zip code in the Weather Set-up page. Upon receipt of the weather information, the Eagle-i *Plus* controller intelligently modifies scheduled station runtimes by replacing just enough water to maintain plant water requirements for that day
- Smart phone access to *iCentral* via the internet
- Smart Alerts™ are sent by *iCentral* for all field alarms generated when a “fault” occurs; text messages are sent to cell phone and email address
- Automatic initiation of “rain shutdown” to each controller if *iCentral* determines that precipitation in a designated area necessitates a shutdown
- Automatically modifies irrigation schedules based upon daily ET, as well as plant watering requirements
- Manually turn on/off any station or program
- Optional flow sensors detects excess flow, no flow, mainline flow and unscheduled flow conditions and when appropriate, shuts off station(s) and progresses automatically to subsequent programming. Alert messages are then sent for each affected station
- Automatically detects field wiring faults
- Variety of reports are available to show web and field activity to allow detailed analysis of the systems efficiency
- All billing / payment plans can be reviewed and performed on-line via the “secured” Rain Master *iCentral* website

WEATHER CENTER II

As water resources become more critical, the demand for "weather" based control of irrigation systems has increased significantly. Therefore, an "onsite" weather center is the preferred means of weather monitoring, as it provides the ability to access the specifics of the local "microclimate" being irrigated.

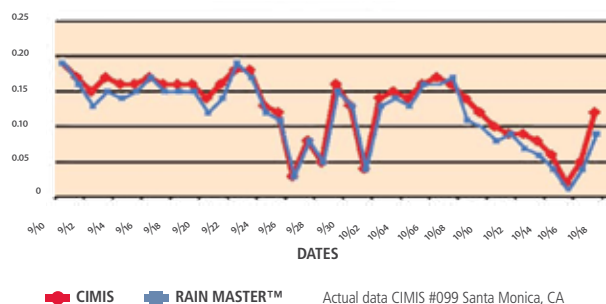


WSII

WEATHER CENTER II FEATURES

- Accurately measures wind, rain, temperature, solar radiation, relative humidity, and computes Evapotranspiration (ET to .01")
- Weather computer scans sensors and recalculates weather changes every second
- All electronic weather station designs promotes very low maintenance
- Tipping Bucket accurately measures rain fall which can be applied to the daily MAD value
- Non volatile memory retains configuration and weather data should loss of power occur
- Plug & Play factory configured for your site
- Diagnostic port and weather computer LED's for system troubleshooting
- Easy installation

CIMIS vs RAIN MASTER®



PRO MAX™ REMOTE CONTROL

The Pro Max Remote Control System is designed to eliminate valuable time and energy spent walking back and forth between the controller and the field. It makes light work of system checkouts and service work, providing field personnel with complete control over any 24V irrigation controller. Controllers may be operated remotely from watering zone sites allowing immediate evaluation of the irrigation configuration and performance.



PROMAX-UA

PRO MAX FEATURES

- Complete remote control kit in a carrying case. Includes transmitter, receiver, connector & cable assembly and a user's guide in one convenient, portable case
- Operates with several series of Rain Master & other manufacturers' 24v controllers (promax-ua version only)
Allows maintenance control for a wide variety of controllers
- Up to 1 mile range (line-of-sight). Provides operating range for larger projects
- Addresses up to 999 individual controllers. Allows transmitter of commands to specific controllers even though others are within range in permanent mount applications
- Remotely controls up to 200 stations. Permanent mount or portable models available
- Quick connection/disconnection system, allows receiver to be easily moved from one controller to another

We reserve the right to improve our products and make changes in the specifications and designs without notice and without incurring obligation. Products depicted in this brochure are for demonstration purposes only. Actual products offered for sale may vary in design and features.